APPLICATION OF FOAM DRESSING IN EXUDATIVE DIABETIC ULCERS IN A PATIENT WITH DIABETES MELLITUS AT RSUD BANGIL

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ABSTRACT

Exudative diabetic ulcers are one of the chronic complications of Diabetes Mellitus that can lead to tissue damage, infection, gangrene, and even amputation if not managed appropriately. Excessive wound exudate may delay the wound healing process and increase the risk of infection. One of the wound care methods that can be used to promote wound healing is modern wound care using foam dressing. This study aimed to describe, explore, and analyze the application of foam dressing in the management of exudative diabetic ulcers in a patient with Diabetes Mellitus. This study employed a qualitative descriptive design using a nursing care process approach involving one patient with Diabetes Mellitus and an exudative diabetic ulcer at Bangil Regional General Hospital. Data were collected through interviews, observations, physical examinations, and documentation review. Wound healing progress was assessed using the PEDIS (Perfusion, Extent, Depth, Infection, and Sensation) classification system.The results showed that the patient experienced impaired skin and tissue integrity due to an exudative diabetic ulcer and received wound care intervention using foam dressing. Evaluation after three consecutive days (3 × 24 hours) of intervention demonstrated improvement in the wound healing process, as evidenced by a reduction in the PEDIS infection score from 2 before the intervention to 1 after foam dressing application. Furthermore, increased granulation tissue formation, decreased wound exudate, and early epithelialization of the wound edges were observed. The patient also reported greater wound comfort and reduced pain in the affected area. The application of foam dressing was shown to promote the wound healing process in exudative diabetic ulcers in patients with Diabetes Mellitus. These findings are expected to serve as a reference for nursing care in patients with diabetic ulcers and as an alternative modern wound care intervention to support optimal wound healing.

Keywords: *Diabetes Mellitus, Exudative Diabetic Ulcer, Modern Wound Care, Foam Dressing, Wound Healing.*